

Figure 1

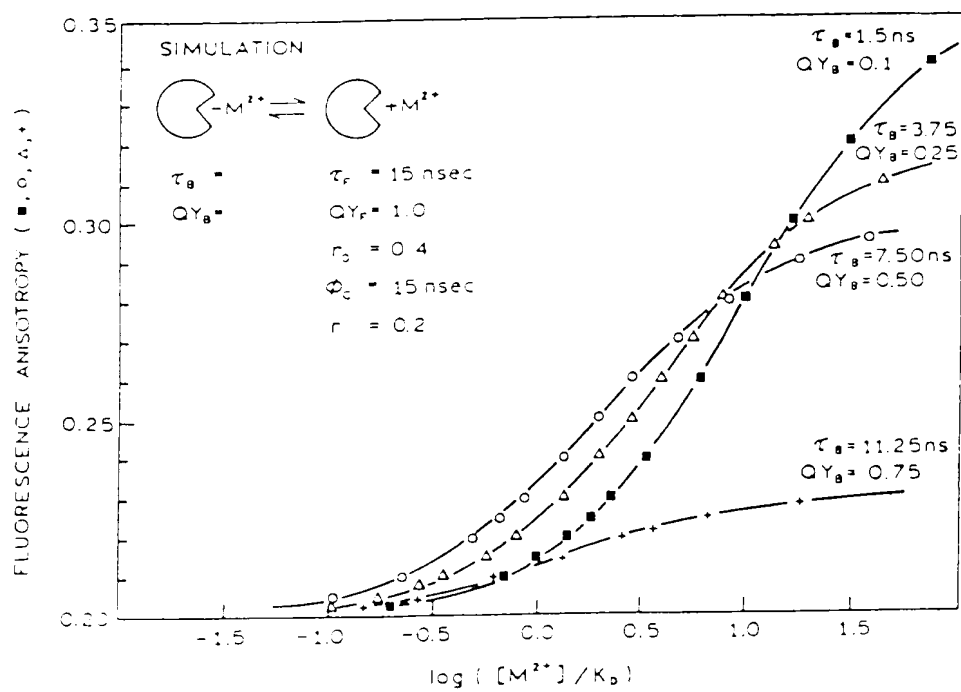


Figure 2

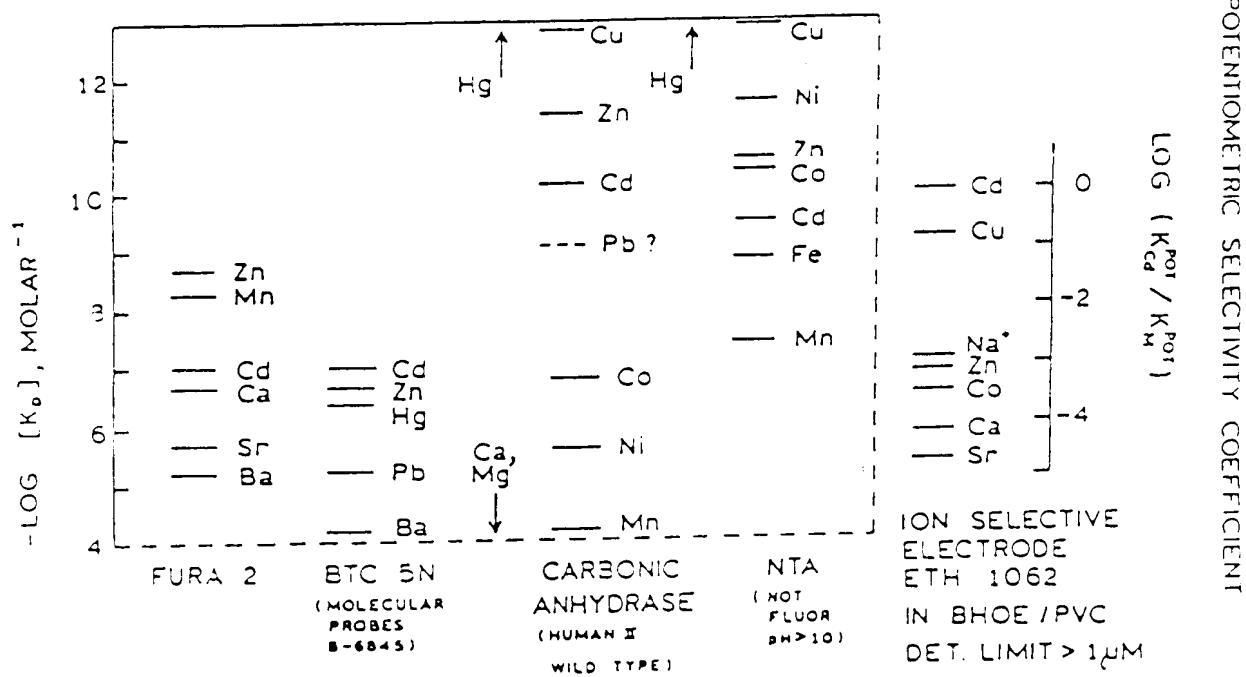
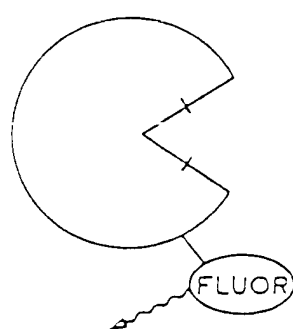


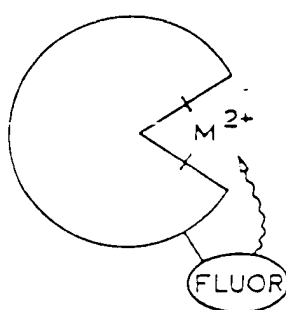
Figure 3

apo-CARBONIC ANHYDRASE



NO M^{2+} BOUND
NO ENERGY TRANSFER
QUENCHING
 $\tau = \tau_0$

"HOLO"-CARBONIC ANHYDRASE



M^{2+} BOUND TIGHTLY,
SPECIFICALLY;
ENERGY TRANSFER OR
OTHER PROXIMITY QUENCHING
 $\tau < \tau_0$

$M^{2+} = Co^{2+}, Cu^{2+}, Ni^{2+}$

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Figure 4

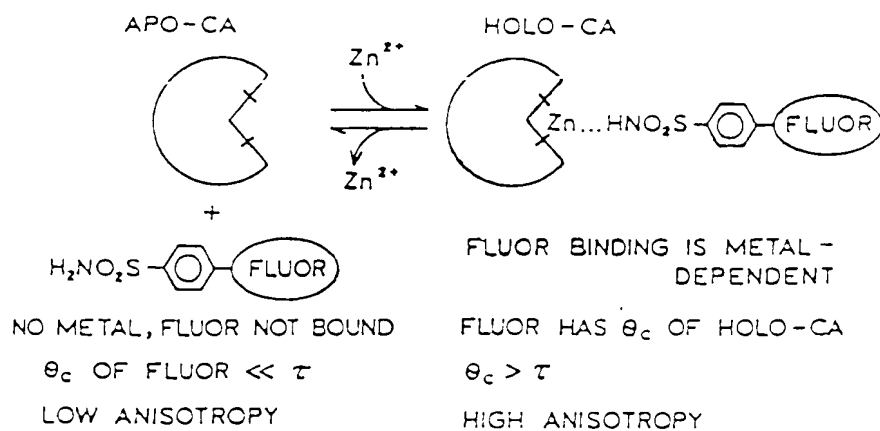


Figure 5

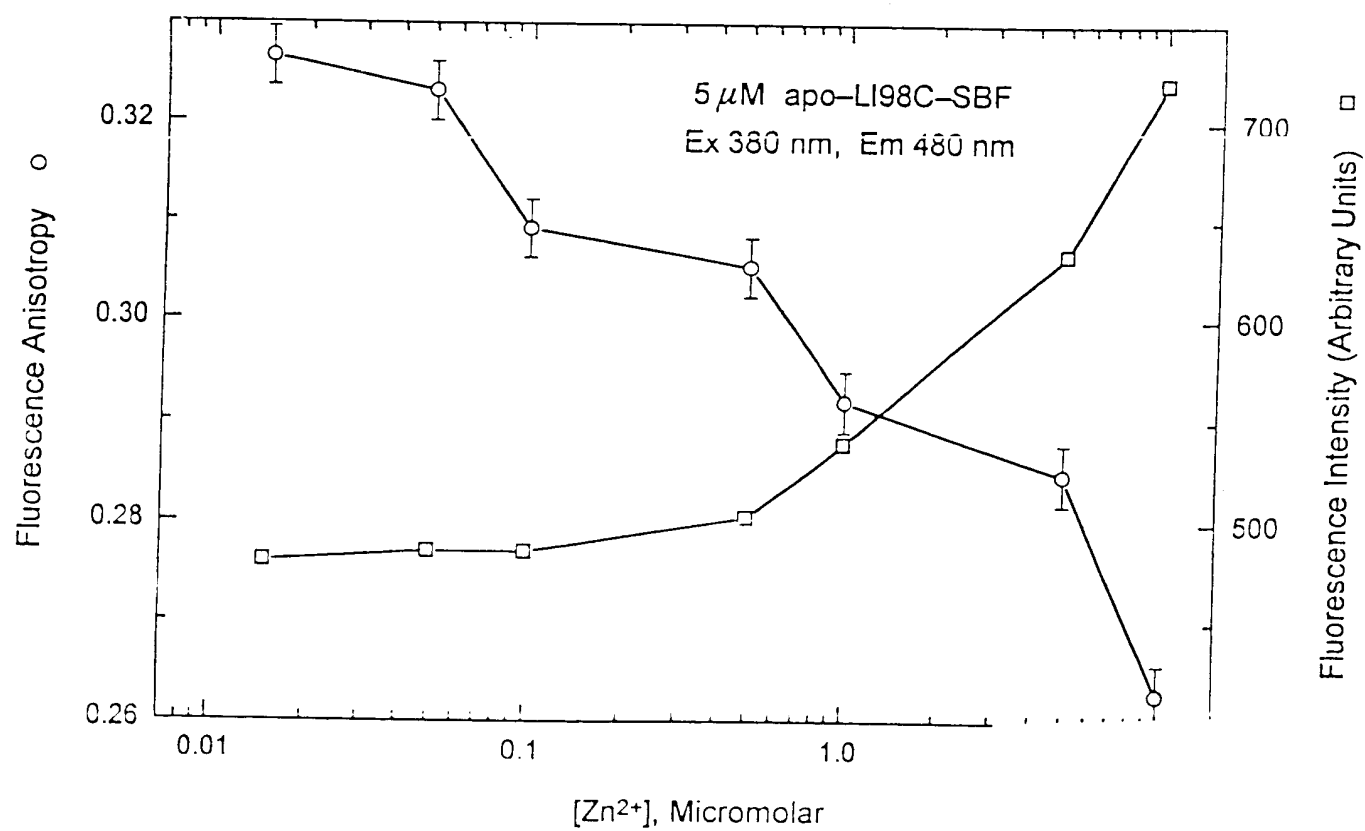


Figure 6

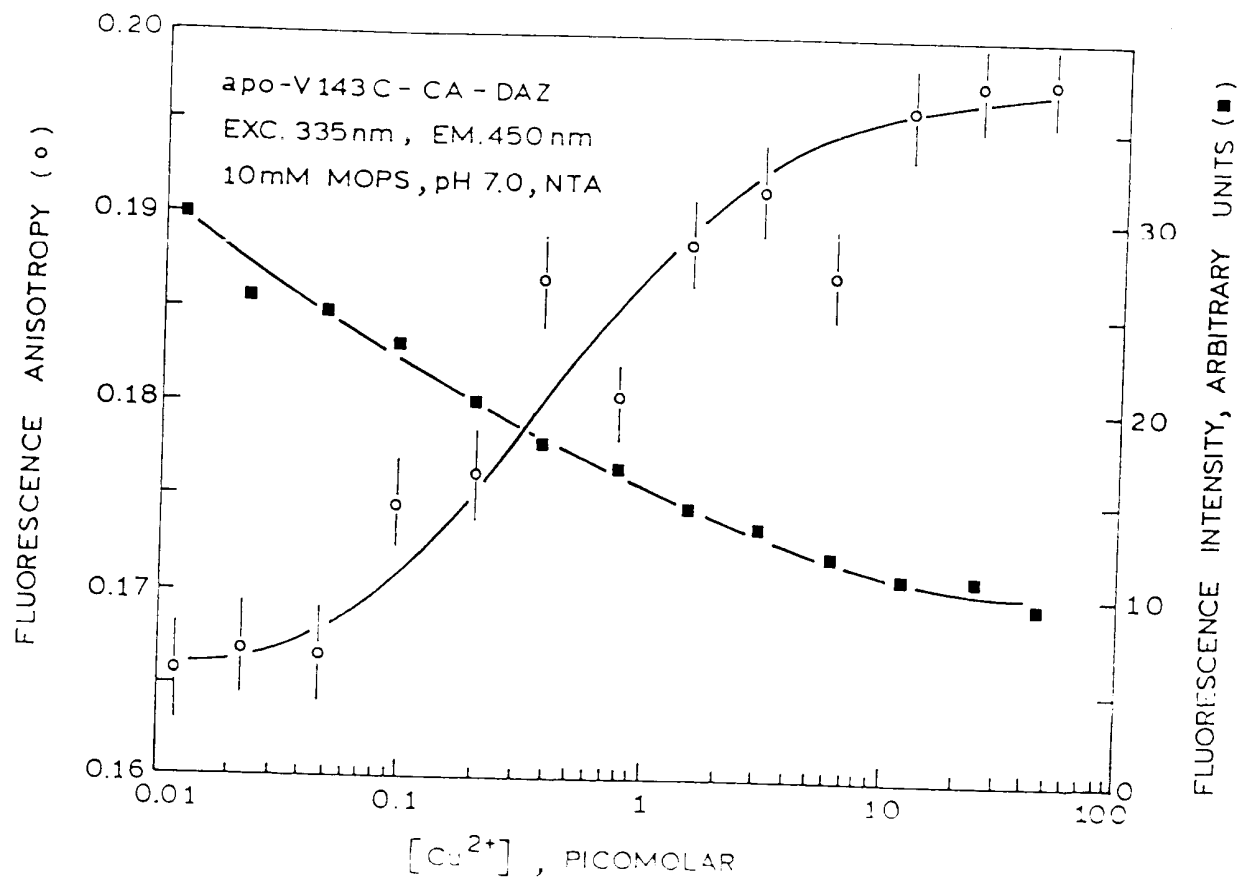


Figure 7

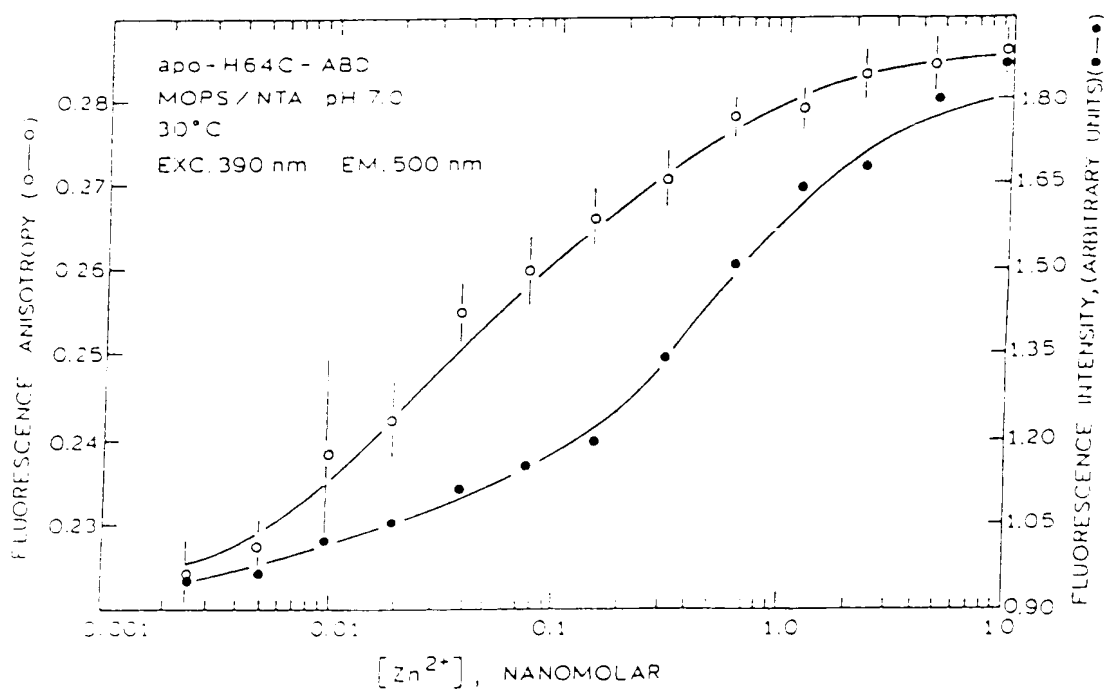


Figure 8

